

Marine Mammals & Noise - Progress Since 1995

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LONG-TERM GOALS

Research on the potential effects of underwater noise on marine mammals has grown steadily over the last few decades. Results and information are scattered across the peer-reviewed and grey literature. In this project, we try to review the information on noise impacts on marine mammals, focussing on results since the publication of “Marine Mammals and Noise” by Richardson et al. (1995). It is hoped that our review will provide the background for future studies.

OBJECTIVES

Literature review of underwater noise impacts on marine mammals. Identification of knowledge gaps. Recommendations for research and conservation management.

APPROACH

We are reviewing the peer-reviewed literature on noise impacts on marine mammals. The grey literature will be consulted in cases where little has been peer-reviewed and published. Apart from the literature on direct noise impacts, we will also review hearing in and sounds produced by marine mammals. Underwater noise emitted by anthropogenic activities will be summarised. The four co-PIs are leading various sections of this review. Additional co-authors might be involved in the near future.

WORK COMPLETED

We have compiled the literature we intend to review. We have started drafting sections of the review, including noise impacts, underwater noise emission, sound production and hearing.

RESULTS

This project has not created any results yet.

IMPACT/APPLICATIONS

It is hoped that this review will inform future research.

RELATED PROJECTS

None.